Performance Data Sheet

AE4440U-FZ1A

General Information

Model	AE4440U-FZ1A	**Refrigerant**	R-290
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-15	Watts (Capacity)	562	491	411	322
	Watts (Power)	240	265	284	290
	Amps	1.77	1.84	1.90	1.91
	Lb/h	7.24	7.05	6.69	6.12
-10	Watts (Capacity)	699	611	516	413
	Watts (Power)	252	283	310	326
	Amps	1.81	1.90	1.98	2.03
	Lb/h	8.82	8.57	8.18	7.60
-6.7	Watts (Capacity)	801	700	593	479
	Watts (Power)	257	292	325	347
	Amps	1.83	1.93	2.04	2.11
	Lb/h	9.98	9.68	9.25	8.65
-5	Watts (Capacity)	857	749	635	516
	Watts (Power)	259	297	333	358
	Amps	1.83	1.95	2.06	2.15
	Lb/h	10.6	10.3	9.83	9.22
0	Watts (Capacity)	1040	909	772	632
	Watts (Power)	261	306	351	387
	Amps	1.84	1.98	2.13	2.26
	Lb/h	12.6	12.2	11.7	11.0
5	Watts (Capacity)	1250	1090	930	766
	Watts (Power)	258	311	365	411
	Amps	1.84	2.00	2.18	2.36
	Lb/h	14.9	14.4	13.7	13.0
7.2	Watts (Capacity)	1350	1180	1010	831
	Watts (Power)	255	311	369	420

	Amps	1.83	2.00	2.20	2.40
	Lb/h	16.0	15.4	14.7	13.9
10	Watts (Capacity)	1490	1300	1110	919
	Watts (Power)	249	310	373	431
	Amps	1.81	2.00	2.22	2.44
	Lb/h	17.5	16.8	16.0	15.2
15	Watts (Capacity)	1760	1540	1320	1090
	Watts (Power)	234	303	376	445
	Amps	1.75	1.98	2.24	2.51
	Lb/h	20.4	19.5	18.6	17.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.39878E+03	2.19573E+02	1.81348E+00	1.38975E+01
C2	5.66629E+01	-2.46061E+00	-5.50732E-03	5.28091E-01
C3	-1.08031E+01	-2.75592E+00	-1.47298E-02	-5.03502E-02
C4	7.47512E-01	-1.31427E-01	-4.72841E-04	6.55557E-03
C5	-6.31514E-01	3.05834E-02	-4.95897E-05	-3.97453E-03
C6	-4.28259E-02	1.84190E-01	6.77437E-04	5.27806E-04
C7	3.56016E-03	-6.62162E-04	-4.35368E-06	3.49582E-05
C8	-6.83280E-03	7.94028E-04	3.83495E-06	-4.35610E-05
C9	1.70837E-03	1.65424E-03	8.14978E-06	2.42558E-05
C10	1.65808E-04	-1.53109E-03	-5.12360E-06	-8.19257E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature